

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**  
Secretary to the Commission

**VOLUME 15. Part 5. Pp. 67—82**

## **OPINION 440**

Validation under the Plenary Powers of the generic name *Entomobrya* Rondani, 1861 (Class Insecta, Order Collembola)

**LONDON :**

Printed by Order of the International Trust for  
 Zoological Nomenclature  
 and

Sold on behalf of the International Commission on Zoological  
 Nomenclature by the International Trust at its Publications Office  
 41, Queen's Gate, London, S.W.7  
 1957

Price Ten Shillings and Sixpence

*(All rights reserved)*

*Issued 8th January 1957*



# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 440

### A. The Officers of the Commission

*Honorary Life President : Dr. Karl JORDAN (British Museum (Natural History), Zoological Museum, Tring, Herts, England)*

---

*President : Professor James Chester BRADLEY (Cornell University, Ithaca, N.Y., U.S.A.) (12th August 1953)*

*Vice-President : Senhor Dr. Afranio do AMARAL (Sao Paulo, Brazil) (12th August 1953)*

*Secretary : Mr. Francis HEMMING (London, England) (27th July 1948)*

### B. The Members of the Commission

*(Arranged in order of precedence by reference to date of election or of most recent re-election as prescribed by the International Congress of Zoology)*

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel CABRERA (*La Plata, Argentina*) (27th July 1948)

Mr. Francis HEMMING (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz JACZEWSKI (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla HANKÓ (*Mezőgazdasági Muzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. SYLVESTER-BRADLEY (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. HOLTHUIS (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

## OPINION 440

### VALIDATION UNDER THE PLENARY POWERS OF THE GENERIC NAME "ENTOMOBRYA" RONDANI, 1861 (CLASS INSECTA, ORDER COLLEMBOLA)

**RULING** :—(1) Under the Plenary Powers the generic name *Mydonius* Gistl, 1848, is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name Number 1045 : *Entomobrya* Rondani, 1861, as validated under the Plenary Powers under (1) above (gender : feminine) (type species, by selection by Börner (1903) : *Degeeria muscorum* Nicolet, [1842]).

(3) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name Number 1117 : *muscorum* Nicolet, [1842], as published in the combination *Degeeria muscorum* (specific name of type species of *Entomobrya* Rondani, 1861).

(4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Degeeria* Nicolet, 1841 (a *nomen nudum*) (Name No. 833) ;
- (b) *Degeeria* Nicolet, [1842] (a junior homonym of *Degeeria* Meigen, 1838) (Name No. 834) ;
- (c) *Mydonius* Gistl, 1848, as suppressed under the Plenary Powers in (1) above (Name No. 835).

(5) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name Number 128 : ENTOMOBRYIDAE Schäffer, 1896 (type genus : *Entomobrya* Rondani, 1861).

(6) The under-mentioned family-group names are hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name Numbers severally specified below :—

- (a) DEGEERIADAЕ Lubbock, 1873 (type genus : *Degeeria* Nicolet, [1842]) (invalid because the name of the type genus is invalid, being a junior homonym of *Degeeria* Meigen, 1838) (name No. 110) ;
- (b) DEGEERIIDAE Tullberg, 1876 (type genus : *Degeeria* Nicolet, [1842]) (corrected form of the invalid name DEGEERIADAЕ Lubbock, 1873) (Name No. 111) ;
- (c) MYDONIIDAE Salmon, 1945 (type genus : *Mydonius* Gistl, 1848) (invalid under *Declaration* 20 because name of type genus suppressed under the Plenary Powers in (1) above) (Name No. 112).

## I. THE STATEMENT OF THE CASE

The problem raised by the fact that the well-established generic name *Entomobrya* Rondani, 1861 (Class Insecta, Order Collembola) is invalid, being a junior objective synonym of the long forgotten name *Mydonius* Gistl, 1848, was first brought to the attention of the International Commission on Zoological Nomenclature, jointly with other problems relating to the names of certain other genera in the Order Collembola, in a letter dated 27th November

1945 by M. Hermann Gisin (*Muséum d'Histoire Naturelle, Genève*). For various reasons it was not possible at that time either for M. Gisin or for the Office of the Commission to make any progress with this case and it was not until 5th November 1954 that at length all outstanding questions were settled and M. Gisin was able to submit a definitive application. The application so submitted, which took account also of the various decisions on matters of procedure taken respectively by the Thirteenth (Paris) and Fourteenth (Copenhagen) International Congresses of Zoology, was as follows :—

**Proposed use of the Plenary Powers to validate the generic name  
"Entomobrya" Rondani, 1861 (Class Insecta, Order Collembola)**

By HERMANN GISIN

(*Museum d'Histoire Naturelle, Geneva, Switzerland*)

The object of the present application is to ask the International Commission on Zoological Nomenclature to use its Plenary Powers to validate the generic name *Entomobrya* Rondani, 1861 (Class Insecta, Order Collembola). This is a large genus of cosmopolitan distribution. The name *Entomobrya* has been in continuous use for over sixty years and no useful purpose would be served by discarding this name in favour of its senior synonym *Mydonius* Gistl, 1848. The history of this case is summarised below.

2. In 1841 (*Bibl. Univ. Genève* (n.s.) 32 : 384) Nicolet published the generic name *Degeeria* as a *nomen nudum*. In 1842 (*Neue Denkschr. allgem. schweiz. Ges.* 6(3) : 70) he re-published this name, this time with an indication, placing in it various species of Collembola, including a new species to which he gave the name *Dégeeria muscorum* (: 73). Nicolet did not designate a type species for this genus. The name *Degeeria* Nicolet was, however, invalid, being a junior homonym of *Degeeria* Meigen, 1838 (*Syst. Beschr. europ. zweifl. Insekts.* 7 : 249) (Class Insecta, Order Diptera).

3. Gistl was the first author to detect that the name *Degeeria* Nicolet was invalid and in 1848 he re-named it *Mydonius* (*Nat. Thierr.* : ix). This name of Gistl's was, however, completely overlooked. In 1861 Rondani, in his turn, observed that *Degeeria* Nicolet was an invalid homonym and gave it the substitute name *Entomobrya* (*Dipterol*,

*ital. Prodri. 4 : 40).* This is the name which has ever since been used for this genus.

4. The present genus remained without a type species until in 1903 (*SitzBer. Ges. Naturforsch. Freunde Berlin* 1903 (No. 3) : 178) Börner selected *Degeeria muscorum* Nicolet, [1842], to be the type species.

5. In 1945 Salmon drew attention to the fact that *Mydonius* Gistl, 1848, had priority over, and should replace, the well-known name *Entomobrya* Rondani, 1861 (*Trans. R. Soc. N. Zealand* 75 : 69). This course has not been adopted by other workers, and it is the purpose of the present request to prevent this change from being made.

6. The genus *Entomobrya* Rondani is currently accepted as the type genus of a family-group taxon. The first family-group name published for this taxon was *DEGEERIADAE* Lubbock, 1873, of which the type genus was *Degeeria* Nicolet, [1842], the name of which (as explained in paragraph 2 above) is an invalid junior homonym which was later replaced by the name *Entomobrya* Rondani, 1861 (paragraph 4 above). The family-group name for this taxon correctly based upon the generic name *Entomobrya* Rondani was first published by Schäffer in 1896 as *ENTOMOBRYIDAE*. In 1945 Salmon, who at that time used the generic name *Mydonius* Gistl, 1848, in preference to *Entomobrya* Rondani, erected the nominal family-group *MYDONIIDAE*. It is desirable that the family-group name *ENTOMOBRYIDAE* Schäffer, 1896, should now be placed on the *Official List of Family-Group Names in Zoology* and that the invalid names *DEGEERIADAE* Lubbock, 1873 (with the corrected version *DEGEERIIDAE* Tullberg, 1876) and *MYDONIIDAE* Salmon, 1945, should be placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*.

7. I accordingly ask the International Commission :—

- (1) to use its Plenary Powers to suppress the generic name *Mydonius* Gistl, 1848, for the purpose of the Law of Priority but not for that of the Law of Homonymy ;
- (2) to place the under-mentioned generic name on the *Official List of Generic Names in Zoology* : *Entomobrya* Rondani, 1861 (gender : feminine) (type selection, by selection by Börner (1903) : *Degeeria muscorum* Nicolet, [1842]) ;
- (3) to place the under-mentioned specific name on the *Official List of Specific Names in Zoology* : *muscorum* Nicolet, [1842], as published in the combination *Degeeria muscorum* (specific name of type species of *Entomobrya* Rondani, 1861) ;

(4) to place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—

- (a) *Degeeria* Nicolet, 1841 (*nomen nudum*) ;
- (b) *Degeeria* Nicolet, [1842] (junior homonym of *Degeeria* Meigen, 1838) ;
- (c) *Mydonius* Gistl, 1848, as suppressed under the Plenary Powers under (1) above.

(5) to place the under-mentioned-family-group name on the *Official List of Family-Group Names in Zoology* : ENTOMOBRYIDAE Schäffer, 1896 (*Mitt. naturh. Mus. Hamburg* 13 : 177) (type genus : *Entomobrya* Rondani, 1861) ;

(6) to place the under-mentioned names on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* :—

- (a) DEGEERIADAE Lubbock, 1873, *Monogr. Collemb. Thysan.* : 129 (type genus : *Degeeria* Nicolet, [1842]) (invalid, because the name *Degeeria* Nicolet, [1842], is invalid, as being a junior homonym, and has been replaced by the name *Entomobrya* Rondani, 1861) ;
- (b) DEGEERIIDAE Tullberg, 1876, *Oefvers. K. Vetensk. Acad. Forhandl. Stockholm* 33 (No. 5 : 31 (type genus : *Degeeria* Nicolet, [1842])) (corrected form of the invalid name DEGEERIADAE Lubbock, 1873) ;
- (c) MYDONIIDAE Salmon, 1945, *Trans. roy. Soc. N.Z.* 75 : 69 (type genus : *Mydonius* Gistl, 1848) (invalid because, as proposed in (1) above, the name *Mydonius* Gistl, 1848, is to be suppressed under the Plenary Powers).

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** Upon the receipt in 1945 of M. Gisin's preliminary communication in regard to

the generic name *Entomobrya* Rondani, the question so involved, jointly with questions relating to certain other generic names in the Order Collembola, was allotted the Registered Number Z.N.(S.) 199. Later, the present case was registered separately under the Number Z.N.(S.) 485.

**3. Comments on the present application received prior to its publication in the "Bulletin of Zoological Nomenclature";** Communications in regard to the present case were received from three specialists prior to the publication of M. Gisin's application in the *Bulletin of Zoological Nomenclature*, two of whom supported the proposed validation of the generic name *Entomobrya* Rondani and one was opposed to that course.

**4. Objection received in 1948 from Frederick Laing (British Museum (Natural History), London):** On 19th September 1948 Dr. Frederick Laing (*British Museum (Natural History), London*) addressed the following letter to the Office of the Commission intimating his objection to the action proposed in the present case :—

The *Mydonius* question. This is quite straightforward and presents no unusual feature ; every active zoologist would make the change without reference to the Commission. Rondani—a dipterist—no doubt did not trouble to look closely into the position of the second *Degeeria* after having satisfied himself that the dipterous *Degeeria* was safe, and simply gave the preoccupied *Degeeria* Nic. the new name of *Entomobrya*, and probably Brook was pleased to bring it forward in England without any extended research into priority or anything else. Gistl's paper should have been known, but there was little indexing in those days (may I have another crack and say there has been little done in the Collembola even by modern workers ?) and might easily have been overlooked. I was bringing it forward myself in future lists of changes that I had planned, had Dr. Salmon not done it. There is just one point—the genotype fixations. In my letters of 10th October 1945 and 5th December 1945 to Dr. Salmon I had put forward the suggestion that *muscorum* as type might give rise to less difficulty in interpretation than *nivalis* Nic., which may not be the same as *nivalis* Linn., but at the back of my mind I had the idea that the type had been fixed but could not quote chapter and verse. Now I can say, with my evacuated notes back into some sort of order, that the type is *muscorum* Nic. fixed by Boerner (*Stz. Gesellschaft Naturforsch. Freunde Berlin*, No. 3, March 1903 : 178). *Mydonius* would take the same type.

**5. Support received in 1948 from Harlow B. Mills (State Natural History Survey Division, Urbana, Illinois, U.S.A.)** : On 29th October 1950 Dr. Harlow B. Mills (*State Natural History Survey Division, Urbana, Illinois, U.S.A.*) addressed the following letter to the Office of the Commission in support of the action proposed in this case :—

I strongly endorse Dr. Gisin's request.

Although I haven't the original literature before me, the case for *Mydonius* seems to be incontrovertible if Salmon's information is correct (1945, *Trans. Roy. Soc. New Zealand*, 75(1) : 69) and if the Law of Priority is strictly followed.

I am not one of those who holds this Law in reverence in all cases, but I feel strongly that where it is not employed the only substitute is a ruling of the Commission. A ruling to suspend the Law should be made where a strict application will result in confusion rather than order. And order is not served, in my mind, if *Entomobrya* is discarded.

My reasons for supporting Dr. Gisin are as follows :—

1. *Entomobrya* is a clear cut, non-ambiguous species group.
2. It is a large genus.
3. It is cosmopolitan.
4. For about 60 years this has been the only name used for this species group and a large body of literature has been built up utilizing this name.
5. *Mydonius* has not been used for this group. There is no tradition of usage anywhere, and no body of literature. The prior use of this name was not rediscovered until 1945, it had been buried since 1838—for 107 years.

It therefore seems logical to me for the Commission to suppress *Mydonius* despite its prior value.

I hope that the Commission supports Dr. Gisin in this matter, but I shall use the name which the Commission ultimately designates.

**6. Support received in 1954 from John T. Salmon (Victoria University College, Department of Zoology, Wellington, New**

**Zealand)** : On 4th November 1954 Dr. John T. Salmon (*Victoria University College, Department of Zoology, Wellington, New Zealand*) addressed the following letter to the Office of the Commission in support of the action proposed in the present case :—

In connection with *Entomobrya*, I think most Collembolan workers favour the suppression of *Mydonius* Gistl, although as I pointed out previously *Mydonius* is the correct name according to the Rules. However, the name has never been used except in a few papers of my own, and I have recently reverted to the use of *Entomobrya* pending the decision of the Commission, as this seemed to be favoured by practically all the workers in the Collembola excepting possibly Bonet of Mexico.

In view of the present attitude of the Congress of Zoology to these matters, I would be in favour now of retaining the name *Entomobrya* on the basis of usage, if this is possible.

In my paper *New Subantarctic Collembola* (1949, *Cape Expedition Series, Bulletin, Wellington, N.Z.*) No. 4, on page 40 I pointed out that the type *Entomobrya* had been fixed by Börner in 1903 as *E. muscorum* Nicolet. In view of this, it would seem that I am now in favour of both the proposals.

**7. Publication of the present application** : On 22nd November 1954 the application received from M. Gisin in the same month (paragraph 1 above) was sent to the printer, together with the communications received from Frederick Laing (paragraph 4), Harlow B. Mills (paragraph 5) and John T. Salmon (paragraph 6). The foregoing documents were published on 28th February 1955 in Part 3 of Volume 11 of the *Bulletin of Zoological Nomenclature* (Gisin, 1955, *Bull. zool. Nomencl.* **11** : 75—77 ; Laing, 1955, *ibid.* **11** : 78 ; Mills, 1955, *ibid.* **11** : 77 ; Salmon, 1955, *ibid.* **11** : 78).

**8. Issue of Public Notices** : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* **4** : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 28th February 1955 (a) in Part 3 of Volume 11 of the *Bulletin*

of *Zoological Nomenclature* (the Part in which M. Gisin's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given also to a number of general zoological serial publications and to seven entomological serials in Europe and America.

**9. Comments received after publication in 1955 :** The publication of the present application and the issue of the Public Notices specified in the immediately preceding paragraph elicited five comments in 1955, of which one was signed by two specialists. Three of the specialists concerned supported the action proposed in the present case. Of the others one gave a qualified support to those proposals and one was opposed to the action suggested. In addition, the specialist by whom the name *Mydonius* Gistl had originally been brought forward re-affirmed his support for the rejection of that name. The communications so received are reproduced in the immediately following paragraphs.

**10. Support received from Kenneth A. Christiansen (Northampton, Massachusetts, U.S.A.):** On 24th April 1955 Dr. Kenneth A. Christiansen (*Northampton, Massachusetts, U.S.A.*) addressed the following letter in support of the present and two others of M. Gisin's applications to the Office of the Commission (1955, Christiansen, *Bull. zool. Nomencl.* 11 : 266—267) :—

I wish to support M. Gisin's three proposals concerning the taxonomy of *Collembola*. These proposals are Z.N.(S.) 303, 304 and 485 respectively. Below I shall deal briefly with each proposal separately.

• • • • • • • • • •

Support for Z.N.(S.) 485. In this case there can be no useful purpose served by a strict following of the rules of priority. Beyond the reasons advanced by Dr. Gisin I have in press a revision of the Nearctic members of *Entomobrya* which further establishes the usage of the name *Entomobrya*.

**11. Support received from H. E. Goto (Imperial College of Science and Technology, London) and D. H. Murphy (University of Durham) :** On 23rd May 1955 the following letter in support of

M. Gisin's proposals was received from Dr. H. E. Goto (*Imperial College of Science and Technology, London*) and Dr. D. H. Murphy (*University of Durham*) :—

We should like to give our full support to the three under-mentioned proposals made by M. Hermann Gisin to the International Commission on Zoological Nomenclature.

Proposed use of the Plenary Powers to validate the generic name *Entomobrya* Rondani, 1861 (Class Insecta, Order Collembola.)

**12. Qualified support received from R. Yosii (Biological Institute of the Yoshida College, University of Kyoto, Japan) :** On 28th June 1955, Professor R. Yosii (*Biological Institute of the Yoshida College, University of Kyoto, Japan*) addressed the following letter to the Office of the Commission with regard to the present case :—

Since the alteration of the generic name *Entomobrya* to *Mydonius* is suggested by Dr. Salmon, Dominion Museum, New Zealand, it is perhaps preferable to adopt the application only after the concordance of him.<sup>1</sup> The alteration of *Entomobrya* to *Mydonius* would not bring too much disorder as in the case of the former two, since we have already experienced a case like it in renaming the collembolan genus *Cremastocephalus* to *Salina*.

**13. Objection received from Peter F. Bellinger (University College of the West Indies, St. Andrew, Jamaica) :** On 26th June 1955 Dr. Peter F. Bellinger (*University College of the West Indies, St. Andrew, Jamaica*) intimated his objection to the present application as follows :—

4. *Entomobrya* Rondani, 1861, and *Mydonius* Gistl, 1848. I believe that in this case no action by the Commission is necessary or desirable. The name *Mydonius* has clear priority; the two names are objective synonyms, so no zoological confusion can arise from its use; *Mydonius* is widely known through its use by Salmon (particularly in his *Keys and Bibliography to the Collembola*, 1951) and has been used by at least one other author (Baijal, 1954, *Agra Univ. J. Res.* 4 : 176). In this case I would prefer to see the Rules applied strictly.

<sup>1</sup> At the time when this letter was written Professor Yosii was not aware that Dr. Salmon had joined those specialists who advocated the conservation of the name *Entomobrya*. See paragraph 6 above.

**14. Renewed support from John T. Salmon (Victoria University College, Department of Zoology, Wellington, New Zealand) :** On 14th July 1955 Dr. John T. Salmon (*Victoria University College, Department of Zoology, Wellington, New Zealand*) addressed the following letter to the office of the Commission, reaffirming the support which in 1954 he had already given (paragraph 5 above) to the action proposed in the present case :—

I have just received from Hermann Gisin the three separates of his proposals to the International Commission regarding various generic and family names in the Collembola.<sup>2</sup> As I have already indicated to you, I am quite in favour of . . . the suppression of *Mydonius* in favour of *Entomobrya* and the fixing of *Degeeria muscorum* Nicolet as the type species.

### III.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**15. Issue of Voting Paper V.P.(55)20 :** On 9th November 1955 a Voting Paper (V.P.(55)20) was issued in which the Members of the Commission were invited to vote either for, or against, “ the proposal relating to the generic name *Entomobrya* Rondani, 1861, as set out in Points (1) to (6) in paragraph 7 on page 76 and continued on page 77 of Volume 11 of the *Bulletin of Zoological Nomenclature* ” [i.e. in the paragraph numbered as above in the paper reproduced in the first paragraph of the present *Opinion*].

---

<sup>2</sup> The other cases here referred to by Dr. Salmon are those relating respectively to the names *Achorutes* Templeton, 1835, and *Anuroporus* Nicolet, [1842]. The decisions taken by the International Commission in these cases have since been embodied in *Opinions* 435 and 439 respectively.

**16. The Prescribed Voting Period :** As for the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 9th February 1956.

**17. Particulars of the Voting on Voting Paper V.P.(55)20 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(55)20 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Hering ; Vokes ; Bodenheimer ; Bradley (J.C.) ; Mayr ; Riley ; Dymond ; Prantl ; Lemche ; Esaki ; Mertens ; do Amaral ; Hankó ; Key ; Boschma ; Jaczewski ; Sylvester-Bradley ; Cabrera ; Stoll ; Bonnet ; Miller ; Tortonese ; Kühnelt ; Hemming ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

**18. Declaration of Result of Vote :** On 10th February 1956, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(55)20, signed a Certificate that the Votes cast were as set out in paragraph 17 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**19. Preparation of the Ruling given in the present "Opinion" :**  
 On 19th October 1956 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(55)20.

**20. Original References :** The following are the original references for the generic and specific names placed on *Official Lists* and *Official Indexes* by the Ruling given in the present *Opinion* :—

*Degeeria* Nicolet, 1841, *Bibl. Univ. Genève* (n.s.) **32** : 384

*Degeeria* Nicolet, [1842], *Neue Denkschr. allgem. schweiz. Ges. Naturw.* **6**(3) : 70

*Entomobrya* Rondani, 1861, *Dipterol. ital. Prodr.* **4** : 40

*muscorum*, *Degeeria*, Nicolet, [1842], *Neue Denkschr. allgem. schweiz. Ges. Naturw.* **6**(3) : 73

*Mydonius* Gistl, 1848, *Nat. Thierr.* : ix

**21.** The following is the reference for the selection of a type species for the genus *Entomobrya* Rondani, 1861, specified in Section (2) of the Ruling given in the present *Opinion* : Börner, 1903, *SitzBer. Ges. Naturforsch. Freunde Berlin* **1903** (No. 3) : 178).

**22.** The following are the original references for the family-group names placed on the *Official List* and *Official Index* established for the recording of names of taxa belonging to the family-group category by the Ruling given in the present *Opinion* :—

*DEGEERIADAЕ* Lubbock, 1873, *Monogr. Collemb. Thysan.* : 129

*DEGEERIIDAE* Tullberg, 1876, *Oefvers. K. Vetensk. Acad. Fordhandl.*, Stockholm **33** (No. 5) : 31

*MYDONIIDAE* Salmon, 1945, *Trans. roy. Soc. N.Z.* **75** : 69

**23.** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature in virtue of all and every the powers conferred upon him in that behalf.

**24.** The present *Opinion* shall be known as *Opinion Four Hundred and Forty (440)* of the International Commission on Zoological Nomenclature.

DONE in London, this Nineteenth day of October, Nineteen Hundred and Fifty-Six.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**